

**HUNTERS POINT NAVAL SHIPYARD
BASE REALIGNMENT AND CLOSURE CLEANUP TEAM
MEETING SUMMARY**

September 26, 2013

This document summarizes the meeting of the Hunters Point Naval Shipyard (HPNS) Base Realignment and Closure (BRAC) Cleanup Team (BCT) held on September 26, 2013 at CH2M HILL's office in Oakland, California. Participants in the meeting included the BCT, which is made up of representatives from the U.S. Navy (Navy), the United States Environmental Protection Agency (USEPA), the California Department of Toxic Substances Control (DTSC), and the San Francisco Bay Regional Water Quality Control Board (Water Board). The City of San Francisco (City), its consultants, the Lennar team of developers, and Navy consultants also attended the meeting. The Navy participated remotely by telephone and web conferencing. These minutes describe the key points, decisions, and action items agreed to at the meeting. A list of attendees is included as Attachment A. The document review table is included as Attachment B. Action items from the meeting are included as Attachment C.

1.0 Navy Business/Action Items (Keith Forman, Navy)

Keith Forman (Navy) introduced Catherine Haran (Navy) as the new Lead Remedial Project Manager for HPNS. Mr. Forman indicated that all of the August action items have been completed with the exception of the regulators submitting an email to the Navy concerning the Building 518 sand letter report.

2.0 Radiological Program Update (Keith Forman, Navy)

Parcel C Phase II Storm Drain and Sewer Removals and Ship Berth Surveys

- Phase II has removed approximately 14,000 linear feet of lines and 29,000 cubic yards of soil.
- At the Parcel C ship berths, the Navy is internally reviewing the data for Survey Units 2, 6, and 7 and awaiting screening data analysis at Survey Units 3 through 5; remediation is ongoing at Survey Units 1, 4, 8, and 9.

Remaining Parcel C and E Building/Sites Status

- At Parcel C, the Navy completed characterization of the interior drain lines, continued survey and removal of the ventilation system (58 percent complete), and completed asbestos abatement and containment.
- The Navy also completed the demolition of the Building 211 Extension and performed material and equipment surveys of demolition debris.

Ryan Miya (DTSC) asked why the Former Building 383 site was shaded green (indicating it has not yet been given a "free release" letter) on the graph presented in the presentation. The Navy will look into this site and will determine if the graph needs to be revised.

- The Navy is working on the Draft North Pier Final Site Survey (FSS) Report and Draft Construction Summary Report for Parcel C Phase I. At Parcel E, the Navy is working on the Draft Former Building 707 Triangle FSS Report and the Draft Construction Summary Report.

Parcel D-1, Phase I Report

- The draft Gun Mole Pier Phase I Radiological Remedial Action Completion Report (RACR) was submitted September 23, 2013. The Navy is awaiting a free release letter from the California Department of Public Health (CDPH) for the South Pier report.
- The Phase II work began mobilization in September 2013.

3.0 Project Update for Parcel C (Tony Konzen, Navy)

RU-C1, -C4, -C5 Update

- Excavation work in RU-C5 is complete and confirmation samples were collected. All confirmation sample results are below the cleanup goals and the Navy would like to start backfilling the excavations using clean imported fill.
- At RU-C1, the Navy completed excavation COS-2-1 and the confirmation sample results are below the cleanup goals. At excavation 22-1, the excavation is nearly complete and confirmation samples are pending. The oily material encountered near the corner of Buildings 214 and 231 will be excavated in phases.
- At RU-C4, the Navy completed excavation 24-6 and the confirmation sample results indicated a need to over-excavate. The remaining excavations in RU-C4 are on hold until the areas can be radiologically cleared.
- At Building 241, the Navy completed excavation 18-1 and the confirmation sample results are below the cleanup goals. At excavation 18-3, the area within Building 241 was excavated and confirmation sample results are below the cleanup goals; however, work outside the building is still ongoing. Excavation of 18-2 is planned but will require a temporary traffic detour for Spear Avenue.
- The Navy will continue excavation of 22-1 and over-excavate at locations when confirmation samples results do not meet the cleanup goals. The Navy would like to commence backfilling of excavations that meet cleanup goals and would like to start in RU-C5.

Amy Brownell (City) noted that any of the excavation locations that were part of the Parcel C technical memorandum and not part of the record of decision (ROD) need to be approved by the agencies prior to backfilling. The Navy agreed with this approach and will develop a proposal for a streamlined process that covers the excavations that will be discussed further in the upcoming explanation of significant differences (ESD) for the Parcel C ROD.

4.0 Parcel C Soil Vapor Sampling and Well Installation Results (Tony Konzen, Navy)

- The Navy completed well abandonments at 24 locations, installed four new monitoring wells, and installed 33 soil vapor extraction wells.
- The Navy performed a soil vapor sampling event in August 2013 and collected supplemental soil vapor samples in soil vapor extraction (SVE) areas 3 and 8.
- In SVE area 3, tetrachloroethylene (PCE), trichloroethylene (TCE), vinyl chloride, 1,1,2-trichlorotrifluoroethane (CFC-113), and Freon-11 exceeded the residential preliminary soil gas action levels (SGALs).
- At SVE area 8, PCE, TCE, dichloroethylene (DCE) and vinyl chloride exceeded the SGALs.

Karla Brasaemle (contractor to USEPA) voiced concerns about removing all of the soil vapor contamination around sample location IR28SG588 because it is on the edge of the SVE area. She requested that the Navy look into collecting a sample at IR28SG420 to determine if the soil vapor contamination extends further to the east.

- Additional work includes completion of concrete coring and well installation, assembly and installation of the SVE delivery systems, and conducting baseline groundwater sampling.

5.0 Parcel RU-C2 Groundwater Update (Tony Konzen, Navy)

- The Navy completed 1-month post-injection sampling and is starting to receive the data. The Navy will begin planning for excavations in this area.
- Additional groundwater sampling for post-injection monitoring is proposed for three-, six-, nine-, and twelve-month periods after injections. The SVE system will be installed following excavation of 20B-1 in November 2013.

6.0 Parcel UC-1 Soil Vapor Sampling (Mahbub Hussain, Navy)

The Navy has prepared responses to agency comments on the Draft Soil Gas Investigation Work Plan for Parcel UC-1 and wanted to review them during the BCT meeting. A summary of the comments is as follows:

- The USEPA asked what action would be taken if depth to groundwater is found to be within 2 feet of the minimum sampling depth and what the expected depth to groundwater is. The Navy responded that if groundwater elevations are such that the optimal sampling depth cannot be achieved, then the samples will be collected as close to the hardscape elevation as possible.
- The USEPA asked why the Navy was using a value greater than the action level for comparing with the confirmation sample results. The Navy responded that some analytes are limited by the selected laboratory analysis method and if they are detected then the

analyte will be flagged as estimated. The Navy thinks this is an appropriate path forward since estimated detections are appropriate for making decisions at the site.

- The City would like the SGALs updated based on currently available toxicity data. The Navy responded that the SGALs developed for HPNS are being used which is consistent with how the other soil vapor investigations were proposed and evaluated.

Ms. Brownell (City) noted that on other bases regulators have re-opened sites because of changed toxicity values and she is concerned that would happen here. The regulators and the Navy noted that these values are evaluated in the Five Year Review for HPNS to see if the current remedy maintains protectiveness at the site. The Navy noted that if an analyte is detected at this site, then that analyte will be evaluated.

7.0 Schedule Update (Keith Forman, Navy)

Mr. Forman noted that there are schedule changes to several of the Parcels because the Navy conducted an evaluation of the long-term schedules for all the Parcels as part of the upcoming Federal Facility Agreement (FFA) submittal. These date changes were previously submitted by the Navy in draft form with the final to be issued the week following the BCT meeting.

8.0 Community Involvement Update (Keith Forman, Navy)

September Achievements

- The Navy participated in California Coastal Cleanup Day on September 21, 2013 where they distributed information on the upcoming October bus tour and signed community members up for the mailing list. Turnout for the event was limited because of rainy weather.
- The Navy also began preparation for the October bus tour by updating the community flyer.

October Goals and Objectives

- The Navy will hold a second bus tour on October 26, 2013 and will give two tours on that day, with a presentation at Building 101 before each tour.
- The Navy will also participate in the Visitation Valley Festival on October 27, 2013. The Navy will distribute print material and have a Cantonese speaker available to help with questions from the public.

9.0 Action Items/Future Meetings (Keith Forman, Navy)

The next BCT meeting will be held on October 24, 2013, at the CH2M HILL office in Oakland, California. Action items are summarized below and included as Attachment C:

- The Navy will confirm whether Former Building Site 383 has been given a free release letter. The bar graph in the radiological presentation will be revised if applicable pending the Navy's review of the free release status.
- The Navy will create a proposal for a streamlined process to cover the excavations that will be documented in the upcoming ESD for the Parcel C ROD.

- The Navy will further evaluate the soil vapor sample results from location IR28SG588 and determine if an additional sample can be collected from the nearby soil vapor sample location IR28SG420 to supplement the current soil gas work.

ATTACHMENT A

HUNTERS POINT NAVAL SHIPYARD MEETING ATTENDANCE SHEET

Topic: BCT Meeting
Location: CH2M HILL's Office
155 Grand Avenue, Suite 800
Oakland, CA
Date/Time: September 26, 2013/10:00 a.m.

Organization	Name	Phone Number	E-Mail Address	Present
Navy	Keith Forman	619-532-0913	keith.s.forman@navy.mil	X
	Lara Urizar	619-532-0960	lara.urizar.ctr@navy.mil	X
	Chris Yantos	619-532-0952	christopher.yantos.ctr@navy.mil	
	Matt Slack	757-887-4212	matthew.slack@navy.mil	
	Frank Fernandez	510-749-5936	franklin.d.fernandez@navy.mil	
	Deb Theroux	619-532-0919	debra.theroux@navy.mil	
	Catherine Haran	619-532-0787	Catherin.Haran@navy.mil	X
	Danielle Janda	619-532-0796	danielle.janda@navy.mil	X
	Tony Konzen	619-532-0924	anthony.konzen.ctr@navy.mil	X
	Jeremy Schwartz	510-521-8672	jeremy.m.schwartz@navy.mil	
	Mahbub Hussain		Mahbub.hussain@agse.us.	X
USEPA	Craig Cooper	415-947-4148	cooper.craig@epa.gov	
	Jackie Lane	415-972-3236	lane.jackie@epa.gov	
	Yvonne Fong	415-947-4117	fong.yvonne@epa.gov	X
DTSC	Ryan Miya	510-540-3775	ryan.miya@dtsc.ca.gov	X
Water Board	Ross Steenson	510-622-2445	rsteenson@waterboards.ca.gov	X
	Tina Low	510-622-5682	tlow@waterboards.ca.gov	X
CDPH	Tracy Jue	916-324-4808	tracy.jue@cdph.ca.gov	X
	Jeff Wong	510-620-3423	jeff.wong@cdph.ca.gov	
	Larry Morgan			

Organization	Name	Phone Number	E-Mail Address	Present
	Roger Lupo	916-440-7955	roger.lupo@cdph.ca.gov	
	Ron Pilorin			X
CDFW	Charlie Huang			
	Tami Nakahara			
City of SF	Amy Brownell	415-252-3967	amy.brownell@sfdph.org	X
Treadwell and Rollo/Langan	Sigrida Reinis	415-955-9040	sreinis@langan.com	
	Dorinda Shipman	415-955-5262	dshipman@langan.com	
	Christopher Glenn	510-974-7074	cglenn@langan.com	
	Christina Rain		crain@langan.com	X
Geosyntec	Jeff Austin	415-218-0027	jasustin@geosyntec.com	X
BVHP/Lennar	Steve Rottenborn	408-458-3205	srottenborn@harveyecology.com	
Tech Law Inc., <i>USEPA contractor</i>	Karla Brasaemle	415-762-0566	kbrasaemle@techlawinc.com	X
	Mary Snow			
	Mark Pantoja	415-762-0565	mpantoja@techlawinc.com	
Arc Ecology	Martha Walters		rosewalt@aol.com	X
BCDC	Rafael Montes	415-352-3670	rafaelm@bcdca.gov	
<i>Navy Contractors</i>				
Tetra Tech EC	Tim Mower	313-312-8874	tim.mower@tetrattech.com	
	Bill Dougherty	415-216-2731	bill.dougherty@tetrattech.com	X
CE2	Bruce Rucker	925-400-4586	rucker@ce2corp.com	X

Organization	Name	Phone Number	E-Mail Address	Present
Kleinfelder	Eric Johansen	619-694-5516	ejohansen@kleinfelder.com	X
KCH	Leslie Lundgren (CH2M HILL)	415-541-7110	leslie.lundgren@ch2m.com	X
	Jamie Hamm	415-819-4971	jamie.hamm@ch2m.com	X
	Ted Tyler	602-790-2492	etyler@kleinfelder.com	
	Emily Steinkamp	510-628-9000	esteinkamp@kleinfelder.com	
	Doug Gilkey	619-694-5523	dgilkey@kleinfelder.com	
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ERRG	Doug Bielskis	925-726-4119	doug.bielskis@errg.com	
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ITSI	Jim Schollard	925-946-3107	jschollard@itsi.com	
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	Ken Leonard	925-946-3263	kleonard@itsi.com	
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	John Baur	925-946-3212	jbaur@itsi.com	
Shaw Group	Wayne Akiyama	925-288-2003	wayne.akiyama@shawgrp.com	X
	Ulrika Messer	619-241-9451	ulrika.messer@shawgrp.com	X
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	Jeff Fenton	707-793-3832	jeffery.fenton@amec.com	
	Ray Hendry	303-807-4421		
CDM Smith	Tamzen Macbeth	208-569-5147	macbethw@cdmsmith.com	
Alliance	Tessa McRae	619-398-3220	tmcrae@onesullivan.com	
	Wenqian Dou	415-321-1785	wdou@onesullivan.com	
	Bob Hunt	619-672-2796	rhunt@onesullivan.com	X

Organization	Name	Phone Number	E-Mail Address	Present
Arcadis	Scott Morris	619-291-7800 x21	scott.morris@arcadis-us.com	
	Bill Beaman	510-596-9524	william.beaman@arcadis-us.com	
CKY, Inc.	Howard Wittenberg		howard@ckyinc.com	
Cabrera/Insight	Mitra Fattahipour		MFattahipour@ieeci.com	

ATTACHMENT B HUNTERS POINT NAVAL SHIPYARD DOCUMENT TRACKING MATRIX

September 26, 2013

Item	Parcel	Document Name	Submittal Date	Expected Date for Comments	Notes	Agency Submittal of Comments			
						EPA	DTSC	Water Board	City of SF
Document Review Period Completed									
1	D-1	Final, Final Status Survey Report, South Pier Area	6/24/13	7/24/13					
2	E	Final NAPL Treatment Pilot Study Work Plan, IR 03	6/25/13	n/a					
3	F	Draft Radiological Data Gap Investigation Tech Memo #2b	6/27/13	7/29/13					7/19/13 No Comment
4	UC-3	Draft ROD	6/28/13	8/15/13		8/1/13	8/9/13	8/8/13	8/16/13
5	E	Draft ROD	6/28/13	8/15/13		7/24/13	8/9/2013 and 8/15/13	8/15/13	8/16/13
6	Basewide	Basewide Stormwater Annual Report (2012-2013)	6/29/13	n/a					
7	C	Final Work Plan RU-C1, C4, C5 and Building 241	7/8/13	n/a		7/17/13			
8	E-2	Monthly Landfill Gas Monitoring Letter Report	7/11/13	n/a					
9	C	Revised RTCs on Draft TM for RU-C1, C4, and C5	7/12/13	7/24/13		7/17/13	7/18/13	7/18/13	
Documents Currently Under Review									
1	E-2	Draft Remedial Design	6/28/13	8/26/13		8/26/13	8/27/13	9/13/13	9/3/13 9/9/13

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September 26, 2013

Item	Parcel	Document Name	Submittal Date	Expected Date for Comments	Notes	Agency Submittal of Comments			
						EPA	DTSC	Water Board	City of SF
2	E-2	Quarterly Landfill Gas Monitoring Report, Second Quarter 2013	7/26/13	n/a					
3	E-2	Annual Landfill Cap Operation and Maintenance Report for 2012-2013	7/30/13	n/a					
4	G	Final Technical Memorandum for CERCLA Tank Closure Sampling	8/2/13	n/a					
5	D-1	Final Execution Plan, Phase II	8/5/13	n/a					
6	Basewide	Final Radiological Management Plan	8/5/13	n/a					
7	C	Final TM for RU-C1, 4, and 5	8/5/13	n/a					
8	UC-1	Draft SVI Work Plan Addendum	9/3/13	9/10/13		9/9/13		9/5/13	9/9/13
9	D-1	Draft RAWP (Durable Cover)	9/16/13	10/30/13					
10	Basewide	Draft Final Third Five Year Review of Remedial Actions	9/19/13	30 days from submittal date					
Documents for Upcoming Review (next 3 months)									
1	D-1	Draft RAD RACR- North	9/30/13	30 days from submittal date	Date Tentative				
2	B	Annual Operation and Maintenance Plan for IR-7/18	10/2/13	n/a	Date Tentative				
3	G	Draft Annual O&M Plan	10/3/13	30 days from submittal date	Date Tentative				

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September 26, 2013

Item	Parcel	Document Name	Submittal Date	Expected Date for Comments	Notes	Agency Submittal of Comments			
						EPA	DTSC	Water Board	City of SF
4	UC-1	Final SVI Work Plan Addendum	10/7/13	n/a	Date Tentative				
5	E	ISTR Draft Final IR-03 Pilot Study Design	10/7/13	15 days	Date Tentative				
6	UC-3	Final Record of Decision	10/21/13	n/a	Date Tentative				
7	E	ISTR Final IR-03 Pilot Study Design	10/28/13	n/a	Date Tentative				
8	Basewide	Final Third Five Year Review of Remedial Actions	10/29/13	n/a	Date Tentative				
9	E-2	Quarterly Landfill Gas Monitoring Report- 3Q 2013	10/29/13	n/a	Date Tentative				
10	Basewide	Semiannual Groundwater Monitoring Report (Q1 & Q2 2013)	10/30/13	n/a	Date Tentative				
11	E	Draft Pot-Hole Area Tech Memo	11/14/13	12/16/13	Date Tentative				
12	E	Final Record of Decision	11/20/13	n/a	Date Tentative				
13	E-2	Draft RAWP for HOT SPOT	11/22/13	45 days	Date Tentative				
14	D-1	Final RAD RACR- North	11/28/13	n/a	Date Tentative				

ATTACHMENT B HUNTERS POINT NAVAL SHIPYARD DOCUMENT TRACKING MATRIX

September 26, 2013

Item	Parcel	Document Name	Submittal Date	Expected Date for Comments	Notes	Agency Submittal of Comments			
						EPA	DTSC	Water Board	City of SF
15	C	Draft ESD	12/9/13	45 days from submittal date	Date Tentative				
16	D-1	Final RAWP Non-Rad (Durable Cover)	12/16/13	n/a	Date Tentative				
17	UC-1,2	Annual O & M Report	12/17/13	n/a	Date Tentative				

CDPH	California Department of Public Health	n/a	Not applicable
DTSC	Department of Toxic Substances Control	RI	Remedial investigation
EPA	U.S. Environmental Protection Agency	RTC	Response to comment
FOSL	Finding of suitability to lease	SF	San Francisco
FOST	Finding of suitability to transfer	TCRA	Time critical removal action
FS	Feasibility study	TPH	Total petroleum hydrocarbon
FSS	Final Status Survey	Water Board	San Francisco Bay Regional Water Quality Control Board

ATTACHMENT C
HUNTERS POINT NAVAL SHIPYARD BASE REALIGNMENT AND CLOSURE CLEANUP TEAM ACTION ITEMS

Item No.	Action Item	Person Authoring the Action Item	Due Date	Resolution Status
New Action Items				
1	The Navy will confirm whether Former Building Site 383 has been given a free release letter. The bar graph in the radiological presentation will be revised if applicable pending the Navy's review of the free release status.	Navy – Chris Yantos		
2	The Navy will create a proposal for a streamlined process to cover the excavations that will be documented in the upcoming ESD for the Parcel C ROD.	Navy		
3	The Navy will further evaluate the soil vapor sample results from location IR28SG588 and determine if an additional sample can be collected from the nearby soil vapor sample location IR28SG420 to supplement the current soil gas work.	Navy		
Ongoing Action Items				
1	The regulatory agencies will send the Navy an email concerning the Navy's recommendations outlined in their July 10, 2013 letter report for the Building 518 sand.	Regulatory Agencies		Pending